

NW Natural  
Rates & Regulatory Affairs  
2018 Commission Basis Reprt  
Calculation of 13-month average Cost of Capital

	2016 Dec	2017 Dec	2018 Jan	2018 Feb	2018 Mar	2018 Apr	2018 May	2018 Jun	2018 Jul	2018 Aug	2018 Sep	2018 Oct	2018 Nov	2018 Dec	(13mo. AMA) 13 Mo Average
1 <u>Balances</u>															
2 Long Term Debt	686,700,000	686,700,000	786,700,000	786,700,000	764,700,000	764,700,000	764,700,000	764,700,000	764,700,000	764,700,000	814,700,000	814,700,000	814,700,000	739,700,000	776,575,000
3 Short Term Debt	53,300,000	54,199,996	22,400,000	50,000,000	50,000,000	27,400,000	29,500,000	47,100,000	66,700,000	105,700,000	100,500,000	124,800,000	143,500,000	217,500,000	75,287,500
4 Preferred Stock	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 Common Stock	696,353,713	714,850,526	721,641,948	737,665,279	747,544,146	739,073,293	738,763,094	736,679,084	719,188,575	716,064,116	714,858,662	749,409,869	762,949,354	782,826,988	736,056,348
6 Total Capital	1,436,353,713	1,455,750,522	1,530,741,948	1,574,365,279	1,562,244,146	1,531,173,293	1,532,963,094	1,548,479,084	1,550,588,575	1,586,464,117	1,630,058,662	1,688,909,869	1,721,149,354	1,740,026,988	1,587,918,848
7															
8															
9															
10 <u>% of Total Capital</u>															
11 Long Term Debt	47.81%	47.17%	51.39%	49.97%	48.95%	49.94%	49.88%	49.38%	49.32%	48.20%	49.98%	48.24%	47.33%	42.51%	48.95%
12 Short Term Debt	3.71%	3.72%	1.46%	3.18%	3.20%	1.79%	1.92%	3.04%	4.30%	6.66%	6.17%	7.39%	8.34%	12.50%	4.63%
13 Preferred Stock	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
14 Common Stock	48.48%	49.11%	47.14%	46.85%	47.85%	48.27%	48.19%	47.57%	46.38%	45.14%	43.85%	44.37%	44.33%	44.99%	46.42%
15	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
16															
17 <u>Average Cost</u>															
18 Long Term Debt	5.511%	5.184%	5.183%	5.183%	5.126%	5.126%	5.126%	5.126%	5.126%	5.126%	5.066%	5.066%	5.066%	5.379%	5.13%
19 Short Term Debt	0.722%	1.176%	1.770%	1.880%	2.040%	2.040%	2.040%	2.130%	2.160%	2.140%	2.186%	2.390%	2.500%	2.810%	2.11%
20 Preferred Stock	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.00%
21 Common Stock	10.100%	10.100%	10.100%	10.100%	10.100%	10.100%	10.100%	10.100%	10.100%	10.100%	10.100%	10.100%	10.100%	10.100%	10.10%
22															
23															
24 <u>Weighted Average Cost of Debt</u>															
25 Long Term Debt	2.63%	2.45%	2.66%	2.59%	2.51%	2.56%	2.56%	2.53%	2.53%	2.47%	2.53%	2.44%	2.40%	2.29%	2.51%
26 Short Term Debt	0.03%	0.04%	0.03%	0.06%	0.07%	0.04%	0.04%	0.06%	0.09%	0.14%	0.13%	0.18%	0.21%	0.35%	0.10%
27 Preferred Stock	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
28 Common Stock	4.90%	4.96%	4.76%	4.73%	4.83%	4.88%	4.87%	4.81%	4.68%	4.56%	4.43%	4.48%	4.48%	4.54%	4.69%
29	7.56%	7.45%	7.45%	7.38%	7.41%	7.48%	7.47%	7.40%	7.30%	7.17%	7.09%	7.10%	7.09%	7.18%	7.30%